



Atty. Docket No.: 30275-6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Bo JOHNSON)
Serial No.: 10/080,749) Group Art Unit: 1762
Filed: 22 February 2002) Examiner: Michener, Jennifer K.
For: COMPOSITION AND) Confirmation No. 8409
METHOD FOR)
COATING MEDICAL)
DEVICES)

San Diego, California
April 22, 2004

Mail Stop: PATENT APPLICATIONS
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

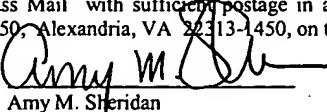
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. § 1.56, Applicants make the below-listed documents of record in the above-identified application. In accordance with 37 C.F.R. § 1.97, this statement is not to be construed as a representation that a search has been made, and is not a representation that the information cited is effective as prior art to the application or is material to patentability.

CERTIFICATE OF MAILING

I hereby certify that this correspondence and anything being referred to as enclosed herein is being deposited with the United States Postal Service via First Class Mail with sufficient postage in an envelope addressed to Mail Stop: PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 23rd day of April, 2004.

Signature:


Amy M. Sheridan

U.S. Patent Documents

1. U.S. Patent No. 6,328,762 B1 to Anderson et al., issued on 11 December 2001.
2. U.S. Patent No. 6,309,660 B1 to Hsu et al., issued on 30 October 2001.
3. U.S. Patent No. 6,303,179 to Koulik et al., issued on 16 October 2001.
4. U.S. Patent No. 6,248,127 to Shah et al., issued on 19 June 2001.
5. U.S. Patent No. 6,224,626 B1 to Tom Steinke, issued on 1 May 2001.
6. U.S. Patent No. 6,197,051 B1 to Sheng-Ping Zhong, issued on 6 March 2001.
7. U.S. Patent No. 6,179,817 B1 to Sheng-Ping Zhong, issued on 30 January 2001.
8. U.S. Patent No. 6,120,847 to Yang et al., issued on 19 September 2000.
9. U.S. Patent No. 6,106,889 to Beavers et al., issued on 22 August 2000.
10. U.S. Patent No. 6,033,719 to James R. Keogh, issued on 7 March 2000.
11. U.S. Patent No. 6,017,741 to James R. Keogh, issued on 25 June 2000.
12. U.S. Patent No. 5,885,647 to Larm et al., issued on 23 February 1999.
13. U.S. Patent No. 5,866,113 to Hendriks et al., issued on 2 February 1999.
14. U.S. Patent No. 5,821,343 to James R. Keogh, issued on 13 October 1998.
15. U.S. Patent No. 5,767,108 to Cahalan et al., issued on 16 June 1998.
16. U.S. Patent No. 5,529,986 to Larsson et al., issued on 25 June 1996.
17. U.S. Patent No. 4,613,665 to Olle Larm, issued on 23 September 1986.

Foreign Patent Documents

1. European Patent Office Application No. EP 0 357 242 A1 (New England Deaconess Hospital Corporation), published 7 March 1990.

Other Documents

1. "Advancements in Blood-Compatible Coatings" SurModics publication, (Eden Prairie, Minnesota) 2001.
2. Lisa W. Duran, "Preventing Medical Device Related Infections" Medical Device Technology, July/August 2000.
3. "Surface Modification Improves Performance of Microcatheter" Medical Product Manufacturing News, June 1997 (Reprinted 2001, Cannon Communications, LLC).
4. "Photolink - Advanced Surface Modification Technology", SurModics publication, 2000.
5. "Photolink - Wettability", SurModics publication, 2000.
6. "Photolink - Hemocompatibility", SurModics publication, 2000.
7. "Photolink - Lubricity", SurModics publication, 2000.
8. "Photolink - Advanced Guidewire Lubricity", SurModics publication, 2000.
9. "Photolink - Infection Resistance", SurModics publication, 2000.
10. Hoffman et al., "A new method for covalent coupling of heparin and other glycosaminoglycans to substances containing primary amino groups", Carbohydrate Research, 117:328-331 (1983).
11. Larsson, "Biocompatible Surfaces Prepared by Immobilized Heparin or Hyaluronate", Acta Otolaryngol (Stockholm), 442:44-49 (1987).
12. Hoekstra, "Hyaluronan-Modified Surfaces for Medical Devices", Medical Device & Diagnostic Industry Magazine (MD&DI Article Index) February 1999.
13. Edmunds Jr., "Heparin Bonded Surfaces - Value or Humbug?" (Abstract) University of Pennsylvania School of Medicine, published by CREF 2001 - 21st Annual San Diego Cardiothoracic Surgery Symposium, March 16, 2001, pp. 36-39.

14. Riesenfeld et al., "Surface Modification with Functionally Active Heparin", Medical Device Technology, March, 1995 (1998 Reprint Publication No. 0070B).
15. Medtronic/Carmedia, "BioActive Surface", Compendium of Scientific Information, (1991).
16. Carmedia, "CBAS Compendium" (May 2, 2000).
17. Tevaeearai et al., "Trillium coating of cardiopulmonary bypass circuits improves biocompatibility", (1999).
18. Palanzo et al., "Effect of Trillium Biopassive Surface coating of the oxygenator on platelet count drop during cardiopulmonary bypass", Perfusion, 14:473-479 (1999).
19. Website, dideco.it/cardio/coating/phisio.htm, printed November 2, 2001.
20. "Cardiopulmonary Products Bioline Coating", jostra.de/index.php, printed June 2, 2002.
21. "Pathophysiology & Techniques of Cardiopulmonary Bypass", CREF 2002 - 22nd Annual San Diego Cardiothoracic Surgery Symposium, February 21-23, 2002, pp. 50-55.
22. Course Syllabus for CREF 2002 - 22nd Annual San Diego Cardiothoracic Surgery Symposium, February 21-23, 2002, Addendum.

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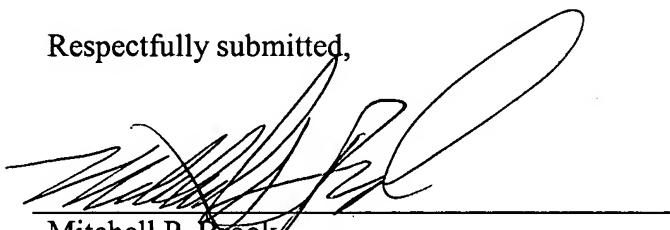
Copies of the above-listed documents, which are listed on the accompanying Form PTO/SB/08A (submitted in duplicate), are enclosed.

It is respectfully requested that these documents be (1) fully considered by the U.S. Patent and Trademark Office in the examination of the above-identified application; and (2) printed on any patent which may issue on this application. It is also respectfully requested that a

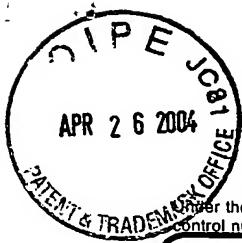
copy of Form PTO/SB/08, as considered and initialed by the Examiner, be returned to the undersigned with the next communication in accordance with M.P.E.P. § 609.

It is believed that no fee is required in connection with this submission. In the event that a fee is required, please charge our Deposit Account No. 50-2298, in the name of Luce, Forward, Hamilton & Scripps LLP.

Respectfully submitted,



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PTO/SB/08A (10-01)

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/080,749
				Filing Date	22 February 2002
				First Named Inventor	Bo JOHNSON
				Art Unit	1762
				Examiner Name	MICHENER, Jennifer Kolb
Sheet	1	of	1	Attorney Docket Number	30275-6

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 6,328,762 B1	12-11-2001	Anderson et al.	
		US- 6,309,660 B1	10-30-2001	Hsu et al.	
		US- 6,303,179	10-16-2001	Koulik et al.	
		US- 6,248,127	06-19-2001	Shah et.al.	
		US- 6,224,626 B1	05-01-2001	Tom Steinke	
		US- 6,197,051 B1	03-06-2001	Sheng-Ping Zhong	
		US- 6,179,817 B1	01-30-2001	Sheng-Ping Zhong	
		US- 6,120,847	09-19-2000	Yang et al.	
		US- 6,106,889	08-22-2000	Beavers et al.	
		US- 6,033,719	03-07-2000	James R. Keogh	
		US- 6,017,741	01-25-2000	James R. Keogh	
		US- 5,885,647	02-23-1999	Larm et al.	
		US- 5,866,113	02-02-1999	Hendriks et al.	
		US- 5,821,343	10-13-1998	James R. Keogh	
		US- 5,767,108	06-16-1998	Cahalan et al.	
		US- 5,529,986	06-25-1996	Larsson et al.	
		US- 4,613,665	09-23-1986	Olle Larm	
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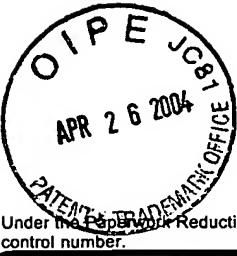
FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 1

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Application Number	10/080,749
Filing Date	22 February 2002
First Named Inventor	Bo JOHNSON
Group Art Unit	1762
Examiner Name	MICHENER, Jennifer Kolb

Attorney Docket Number 30275-6

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		"Advancements in Blood-Compatible Coatings" SurModics publication, (Eden Prairie, Minnesota) 2001.	
		Lisa W. Duran, "Preventing Medical Device Related Infections" Medical Device Technology, July/August 2000.	
		"Surface Modification Improves Performance of Microcatheter" Medical Product Manufacturing News, June 1997 (Reprinted 2001, Cannon Communications, LLC).	
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		"Photolink - Lubricity", SurModics publication, 2000.	
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		"Photolink - Infection Resistance", SurModics publication, 2000.	
		Hoffman et al., "A new method for covalent coupling of heparin and other glycosaminoglycans to substances containing primary amino groups", Carbohydrate Research, 117:328-331 (1983).	
		Larsson, "Biocompatible Surfaces Prepared by Immobilized Heparin or Hyaluronate", Acta Otolaryngol (Stockholm), 442:44-49 (1987).	

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**INFORMATION DISCLOSURE
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Sheet Sheet No. 3 of 1

Complete if Known

Application Number	10/080,749
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Attorney Docket Number 30275-6

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Hoekstra, "Hyaluronan-Modified Surfaces for Medical Devices", Medical Device & Diagnostic Industry Magazine (MD&DI Article Index) February 1999.	
		Edmunds Jr., "Heparin Bonded Surfaces - Value or Humbug?" (Abstract) University of Pennsylvania School of Medicine, published by CREF 2001 - 21st Annual San Diego Cardiothoracic Surgery Symposium, March 16, 2001, pp. 36-39.	
		Riesenfeld et al., "Surface Modification with Functionally Active Heparin", Medical Device Technology, March, 1995 (1998 Reprint Publication No. 0070B).	
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		Tevaearai et al., "Trillium coating of cardiopulmonary bypass circuits improves biocompatibility", (1999).	
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		Website, dideco.it/cardiop/coating/phisiol.htm, printed November 2, 2001.	
		"Cardiopulmonary Products Bioline Coating", jostra.de/index.php, printed June 2, 2002.	
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